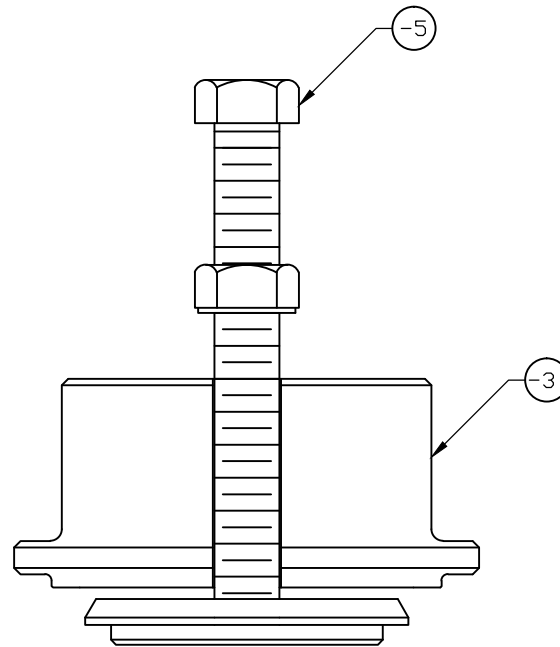


This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
APPROVED			

SEE ATTACHED DEVIATION



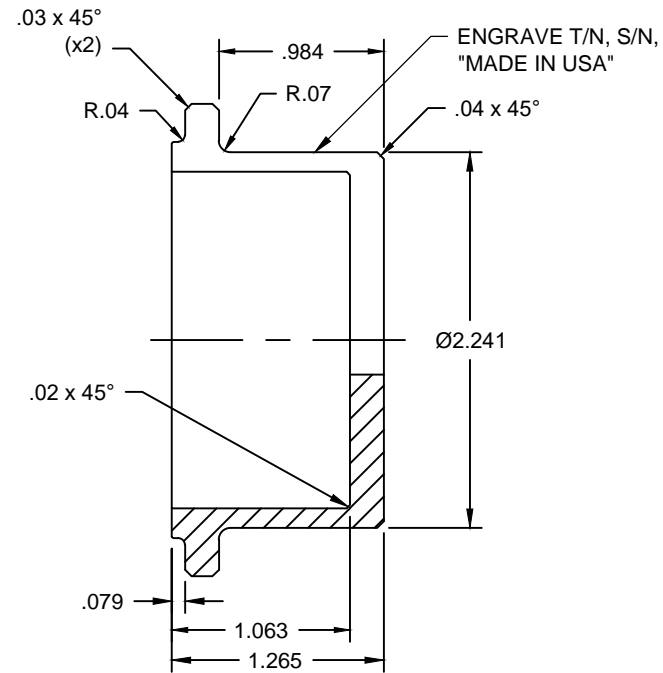
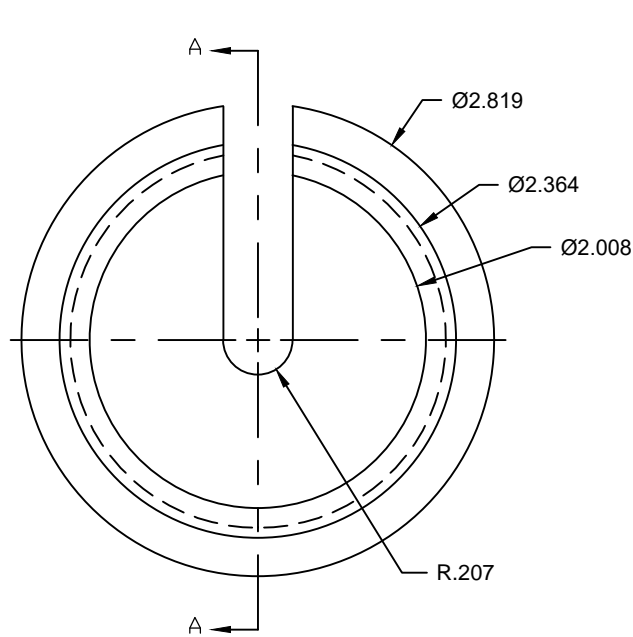
ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-3	1	CUP	4140 Q&T	Ø3 x 1-1/2	2
			-5	1	INSTALLER ASSEMBLY			3
	1		-7		INSTALLER	4140 Q&T	Ø2 x 7/16	4
	1	B/O	-9		HEX HEAD CAP SCREW FULL THREAD	STEEL	M10 x 1.25 x 80mm REID #ROC-2802-749	3
	1	B/O	-11		HEX NUT	STEEL	M10 x 1.25 REID #ROC-2804-703	3
ASSY	-5							

RED BARN MACHINE	
TITLE PUSHER MGB INPUT SEAL	
DWG NO. RBE117-12020-W20	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 7-14-10
SHEET 1 of 4	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

SEE ATTACHED DEVIATION



SECTION A-A

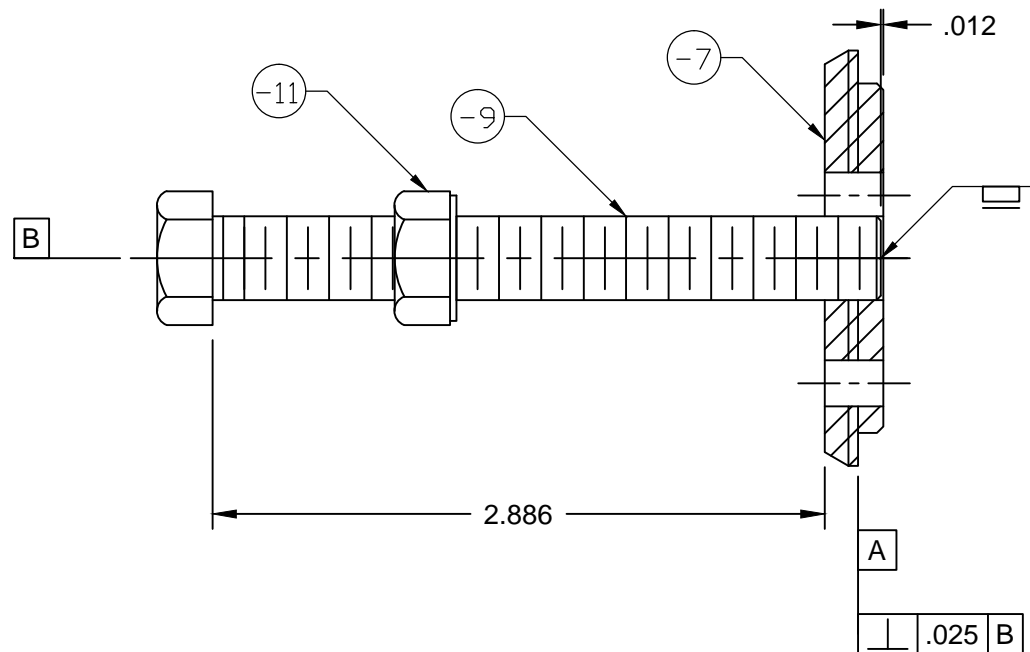
③
CUP

RED BARN MACHINE	
TITLE PUSHER MGB INPUT SEAL	
DWG NO. RBE117-12020-W20-3	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS ± 1/32
.XXX ± .005	ANGLES ± .5°
.XX ± .01	
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 7-14-10
SHEET 2 of 4	
DRAWN BY: CLOUGH APPROVED: <i>D Weil</i> HEAT TREAT: BLACK OXIDE SPEC: USED ON MODEL: EC145	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

SEE ATTACHED DEVIATION



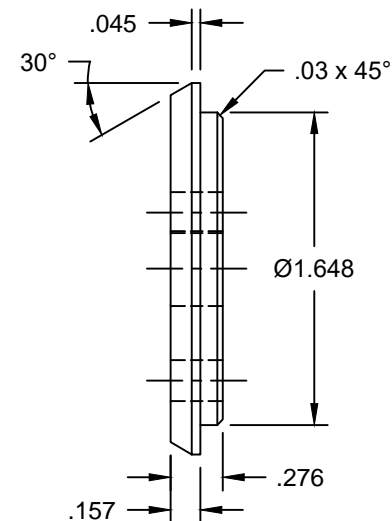
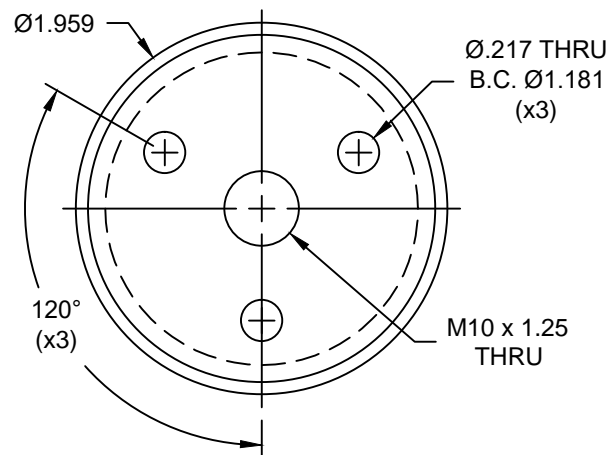
(-5)
INSTALLER ASSEMBLY

RED BARN MACHINE	
TITLE PUSHER MGB INPUT SEAL	
DWG NO. RBE117-12020-W20-5	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: CLOUGH	
APPROVED: <i>D. Weil</i>	
HEAT TREAT	
FINISH: BLACK OXIDE	
SPEC	
USED ON MODEL	
EC145	
SCALE: NTS	DATE: 7-14-10
SHEET: 3 of 4	

This drawing, specifications, and concepts contained here in are the sole property of Red Barn Machine, and may not be reproduced or used in any fashion without the prior written permission of Red Barn Machine.

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

SEE ATTACHED DEVIATION



⑦
INSTALLER

RED BARN MACHINE	
TITLE PUSHER MGB INPUT SEAL	
DWG NO. RBE117-12020-W20-7	REV
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 7-14-10
SHEET 4 of 4	
DRAWN BY: CLOUGH	
APPROVED: <i>D. Weil</i>	
HEAT TREAT: SEE WELDMENT	
FINISH: 	
SPEC: 	
USED ON MODEL: EC145	

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. RBE117-12020-W20 REV. N/A		DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/>		DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Cross tube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> </div> <div> Eng. (Non-AW) <input checked="" type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Water Jet <input type="checkbox"/> Supplier <input type="checkbox"/> Quality <input type="checkbox"/> </div> </div>							
Date :		Sequence #:		QTY Affected :		MRB (QSI042) JAN 29, 2019					
Description Work Order Deviation				Disposition							
RBE117-12020-W20-9 USE OF HARDWARE McMaster#93000A618 (FULL THREADED ROD M10 X 1.25) WITH #ROC-2804-703 (HEX NUT M10 X 1.25) WELDED AT APPROPRIATE LENGTH IS ACCEPTABLE. FULL THREADED ROD & HEX NUT ZINC-PLATING MUST BE REMOVED PRIOR BLACK OXIDE FINISH.				THIS DEVIATION IS ACCEPTABLE THE FIT, FORM, AND FUNCTION OF THE PART WILL BE AS ORIGINALLY INTENDED							
								Completed By			
								Lead hand / Supervisor			
QC / QA Coordinator											
PER MBB											
Root Cause <div style="display: flex; flex-direction: column; align-items: flex-end;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Preservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input checked="" type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div>		FAULT CATEGORY <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Bending <input type="checkbox"/> Crushing <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Mislabeled </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Incomplete/Unclear Instructions <input type="checkbox"/> Drill Holes <input type="checkbox"/> Fit/Function </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain Direction <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Off-set/Set-up </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Outside Tolerance <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Misread </div> </div>									
		Other/Details: <div style="text-align: center; padding-top: 20px;"> BOLT RBE117-12020-W20-9 (P/N ROC-2802-749) IS NOT FULLY THREADED </div>									